FUNCTIONAL FLUIDS HAVING LOW BROOKFIELD VISCOSITY USING HIGH VISCOSITY-INDEX BASE STOCKS, BASE OILS AND LUBRICANT COMPOSITIONS, AND METHODS FOR THEIR PRODUCTION AND USE

Abstract of the Disclosure

This invention relates to base stocks and base oils that exhibit an unexpected combination of high viscosity index (130 or greater) and a ratio of measured-to-theoretical high-shear/low-temperature viscosity at -30C or lower and the methods of making them. Specifically, the present invention relates to low-viscosity base stocks and base oils as used in functional fluids. More specifically, the present invention relates to automatic transmission fluids showing surprising low temperature Brookfield viscosities and methods to produce them.